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1 EDO: Exception-directed optimization in java

Takeshi Ogasawara, Hideaki Komatsu, Toshio Nakatani
 January 2006 ACM Transactions on Programming Languages and Systems (TOPLAS).
 Volume 28 Issue 1

Publisher: ACM

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Optimizing exception handling is critical for programs that frequently throw exceptions. We observed that there are many such exception-intensive programs written in Java. There are two commonly used exception handling techniques, stack unwinding and ...

Keywords: Feedback-directed dynamic optimization, dynamic compilers, exception handling, inlining

2 Effectiveness of cross-platform optimizations for a java just-in-time compiler

Kazuaki Ishizaki, Mikio Takeuchi, Kiyokuni Kawachiya, Toshio Suganuma, Osamu Gohda, Tatsushi Inagaki, Akira Koseki, Kazunori Ogata, Motohiro Kawahito, Toshiaki Yasue, Takeshi Ogasawara, Tamya Onodera, Hideaki Komatsu, Toshio Nakatani
 November 2003 ACM SIGPLAN Notices. Volume 38 Issue 11

Publisher: ACM

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This paper describes the system overview of our Java Just-In-Time (JIT) compiler, which is the basis for the latest production version of IBM Java JIT compiler that supports a diversity of processor architectures including both 32-bit and 64-bit modes, ...

Keywords: Java, just-in-time compiler, optimization

3 Effectiveness of cross-platform optimizations for a java just-in-time compiler

Kazuaki Ishizaki, Mikio Takeuchi, Kiyokuni Kawachiya, Toshio Suganuma, Osamu Gohda, Tatsushi Inagaki, Akira Koseki, Kazunori Ogata, Motohiro Kawahito, Toshiaki Yasue, Takeshi Ogasawara, Tamya Onodera, Hideaki Komatsu, Toshio Nakatani
 October 2003 OOPSLA '03: Proceedings of the 18th annual ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications

Publisher: ACM

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